

**What Is Claimed:**

- 1 1. An isolated nucleic acid molecule having a  
2 nucleotide sequence as shown in SEQ ID NO:1.
- 1 2. The isolated nucleic acid molecule of claim 1  
2 wherein said nucleic acid molecule encodes an amino acid  
3 sequence as shown in SEQ ID NO:3.
- 1 3. The isolated nucleic acid molecule of claim 1  
2 wherein said nucleic acid is deoxyribonucleic acid.
- 1 4. The isolated nucleic acid molecule of claim 3  
2 wherein said deoxyribonucleic acid is cDNA.
- 1 5. The isolated nucleic acid molecule of claim 1  
2 wherein said nucleic acid is ribonucleic acid.
- 1 6. The isolated nucleic acid molecule of claim 5  
2 wherein said ribonucleic acid is mRNA.
- 3 7. The isolated nucleic acid molecule of claim 1  
4 wherein said nucleic acid encodes a transcriptional  
5 activity.
- 1 8. An oligonucleotide complementary to at least a  
2 portion of the mRNA of claim 6.
- 1 9. A cell comprising the oligonucleotide of claim  
2 8.
- 1 10. An expression vector comprising the  
2 oligonucleotide of claim 8.

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1           12. A cell comprising the expression vector of  
2    claim 10.

1           14. A cell comprising the nucleic acid molecule of  
2   claim 1.

1        15. An expression vector comprising the nucleic  
2        acid molecule of claim 1.

1           16. The expression vector of claim 15 wherein said  
2   expression vector is selected from the group consisting  
3   of a plasmid and a virus.

1           17. A cell comprising the expression vector of  
2   claim 15.

1           18. A method of increasing expression of  
2   transcriptional activator protein in a host cell, said  
3   method comprising:

1           21. A method of obtaining DNA encoding a  
2 transcriptional activator protein, said method  
3 comprising:  
4           selecting a DNA molecule encoding a transcriptional  
5 activator protein, said DNA molecule having a nucleotide  
6 sequence as shown in SEQ ID NO:1;  
7           designing an oligonucleotide probe for a  
8 transcriptional activator protein based on the nucleotide  
9 sequence of the selected DNA molecule;  
10          probing a genomic or cDNA library of an organism  
11 with the oligonucleotide probe; and

1           22. A method of obtaining DNA encoding a  
2   transcriptional activator protein, said method  
3   comprising:

7       designing degenerate oligonucleotide primers based  
8   on the nucleotide sequence of the selected DNA molecule;  
9   and

23. An isolated nucleic acid molecule encoding a transcriptional activator protein, said nucleic acid molecule encoding a first amino acid sequence having at least 90% amino acid identity to a second amino acid sequence, said second amino acid sequence as shown in SEQ ID NO:3.

1           25. A method of detecting presence of a  
2   transcriptional activator protein in a sample, said  
3   method comprising:

4           contacting a sample with the DNA oligomer of claim  
5   24, wherein said DNA oligomer hybridizes to any of said

1           33. The antibody of claim 31 wherein said antibody  
2 comprises a polyclonal antibody.

9           detecting said complex, thereby detecting presence  
10   of a transcriptional activator protein in said sample.

1           35. The method of claim 34 wherein said antibody or  
2   fragment thereof is labeled with a detectable marker.

1           36. A method of producing an antibody specific for  
2   a transcriptional activator protein in a host, the method  
3   comprising:

4       selecting the isolated transcriptional activator  
5       protein of claim 27 or an antigenic portion thereof; and

6       introducing the selected transcriptional activator  
7   protein or antigenic portion thereof into a host to  
8   induce production of an antibody specific for  
9   transcriptional activator protein in the host.